### NUTRISON PROTEIN INTENSE

The first and only whole protein tube feed with a high protein level that fully meets International Critical Care Guidelines (2018) 1,5

<table>
<thead>
<tr>
<th>Ingredient</th>
<th>Specification</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Volume:</strong></td>
<td>1000 ml</td>
</tr>
<tr>
<td><strong>Energy:</strong></td>
<td>1260 kcal</td>
</tr>
<tr>
<td><strong>Protein:</strong></td>
<td>100 g (En32%)</td>
</tr>
<tr>
<td><strong>Carbohydrates:</strong></td>
<td>104 g (En33%)</td>
</tr>
<tr>
<td><strong>Fat:</strong></td>
<td>49 g (En35%)</td>
</tr>
<tr>
<td><strong>Fish Oils:</strong></td>
<td>500 mg</td>
</tr>
<tr>
<td><strong>Fibre:</strong></td>
<td>Fibre Free</td>
</tr>
<tr>
<td><strong>Osmolarity:</strong></td>
<td>340 mOsmol/kg</td>
</tr>
<tr>
<td></td>
<td>275 mOsmol/l</td>
</tr>
</tbody>
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INTRODUCING NUTRISON PROTEIN INTENSE
The first and only whole protein tube feed with a high protein level that fully meets International Critical Care Guidelines1-5

NUTRISON PROTEIN INTENSE USES P4, A UNIQUE WHOLE PROTEIN BLEND DESIGNED TO SUPPORT TOLERANCE
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P4 blend is proven to have a faster gastric emptying compared to a coagulating casein dominant tube feeds.8

The chemical score indicates good overall amino acid mix and hence the quality of a protein. Higher scores are indicative of closely referencing the WHO standards. P4, a blend of high quality proteins has a higher chemical score than individual protein sources.

KEY INTERNATIONAL GUIDELINES RECOMMEND TO START FEEDING WITH WHOLE PROTEIN PRODUCTS

Guidelines

SCCM/ ASPEN Guidelines for the Provision and Assessment of Nutrition Support Therapy in the Adult Critically Ill Patient 20161

ESCPEN Guideline on Enteral Nutrition: Intensive Care 20062

The Canadian Critical Care Nutrition Guidelines in 2013: An Update on Current Recommendations and Implementation Strategies3

Nutrition therapy for critically ill patients across the Asia-Pacific and Middle East regions 20184

Protein Nature

“Based on expert consensus, we suggest using a standard polymeric formula when initiating EN in the ICU setting.”

“Whole protein formulae are appropriate in most patients because no clinical advantage of peptide based formulae could be shown.”

“When initiating enteral feeds, the use of whole protein formulas (polymeric) should be considered.”

“Standardized high-protein polymeric formulas, comprising whole proteins as opposed to peptides are the preferred choice for most patients receiving nutrition therapy in the ICU.”

TRIAL RESULTS

A very high intact-protein enteral formula is suitable as first-line nutritional treatment for critically ill patients as it offers a solution for adequate protein provision according to nutritional guidelines without overfeeding risk.4

This first trial comparing a very high protein (10g/100ml) with standard high protein enteral formula (6g/100ml) based on whole proteins showed:

Meeting full protein requirements according to international guidelines and recommendations is feasible with this new polymeric high protein enteral feed:

• Higher protein intake (day 5: LS mean 1.5 vs 0.8 g/kg IBW with p < 0.001)
• Protein intake within recommended protein intake range of 1.2 – 2.0 g/kg BW per day
• More subjects reached protein targets of 1.5 g/kg IBW (day 5: 57% vs 0%, p<0.001)
• No statistically significant differences found in energy intake between groups
• Increased protein provision with a very high protein feed is seen in increased plasma amino acid concentrations at day 5 and from baseline (p=0.031)
• No difference between the groups in serious adverse events and no difference in gastro-intestinal tolerance

Daily Protein Intake
(g/kg IBW/day)

0 5 10 15 20 25 30

Nutrison Protein Intense
(10g/100ml)

Standard high protein formula (6g/100ml)

0.5 1 1.5 2 2.5 3 3.5 4

2.2

12

1 2 3 4 5 6 7
day

0 0.2 0.4 0.6 0.8 1 1.2 1.4

Chemical Score

P4 blend Casein Whey Soy Pea

20% 25% 35% 20%